Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-11 (canceled).

- 12. (new) Polyvinyl alcohol gel comprises at least two polyvinyl alcohols of the types PVA1, PVA2 and PVA3 and a swelling agent, wherein the degrees of polymerisation DP of PVA1 and PVA3 are > 1000 and the degree of polymerisation DP of PVA2 is in the range of 50-100 and PVA1 and PVA2 are predominantly linear whereas PVA3 has a fraction of long-chain branchings.
- 13. (new) The polyvinyl alcohol gel according to claim 12, wherein the gel has a modulus of elasticity E and/or a strength sm in MPa is >5 and optionally a stress-strain curve having a negative curvature over an interval within the range of 0-300% strain.
- 14. (new) The polyvinyl alcohol gel according to claim 13, wherein the modulus of elasticity E and/or strength sm is >10.
- 15. (new) The polyvinyl alcohol gel according to claim 14, wherein the modulus of elasticity E and/or strength sm is >15.

- 16. (new) The polyvinyl alcohol gel according to claim 13, wherein the modulus of elasticity E and/or strength sm is >20.
- 17. (new) The polyvinyl alcohol gel according to claim 12, wherein the gel is obtained from a mixture of polyvinyl alcohol and swelling agent, wherein the viscosity of the mixture during forming is >10,000 mPa.
- 18. (new) A process for preparing the gel of claim 17, including extruding the mixture to obtain a gel formation.
- 19. (new) The process according to claim 18, including storing the gel formation at a temperature above the freezing point, wherein a heat treatment is optionally carried out and/or a reduction in the water content takes place during the storage.
- 20. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) the degree of hydrolysis of PVA1, PVA2 and PVA3 in mole % is >95;
 - b) the 1,2-glycol content of PVA1, PVA2 and PVA3 in mole % is <3;</p>
 - c) the number of short-chain branchings of PVA1, PVA2 and PVA3 per monomer unit is $<10^{-2}$; and
 - d) PVA1, PVA2 and PVA3 preferably have an atactic conformation.
- 21. (new) The polyvinyl alcohol gel according to claim 12, wherein

- a) the degree of hydrolysis of PVA1, PVA2 and PVA3 in mole % is >98;
- b) the 1,2-glycol content of PVA1, PVA2 and PVA3 in mole % is <1;</p>
- c) the number of short-chain branchings of PVA1, PVA2 and PVA3 per monomer unit is $<10^{-3}$; and
- d) PVA1, PVA2 and PVA3 preferably have an atactic conformation.
- 22. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) the degree of hydrolysis of PVA1, PVA2 and PVA3 in mole % is >99;
 - b) the 1,2-glycol content of PVA1, PVA2 and PVA3 in mole % is <0.5;</p>
 - c) the number of short-chain branchings of PVA1, PVA2 and PVA3 per monomer unit is $<10^{-4}$; and
 - d) PVA1, PVA2 and PVA3 preferably have a predominantly syndiotactic conformation.
- 23. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) the degree of hydrolysis of PVA1, PVA2 and PVA3 in mole % is >99.8;
 - b) the 1,2-glycol content of PVA1, PVA2 and PVA3 in mole % is <0.2;</p>
 - c) the number of short-chain branchings of PVA1, PVA2 and PVA3 per monomer unit is $<10^{-6}$; and

- d) PVA1, PVA2 and PVA3 preferably have a predominantly syndiotactic conformation.
- 24. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) PVA1 and PVA3 have a degree of polymerisation DP > 1000; and
 - b) PVA2 has a degree of polymerisation DP in the range of 50-1000.
- 25. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) PVA1 and PVA3 have a degree of polymerisation DP > 2000; and
 - b) PVA2 has a degree of polymerisation DP in the range of 60-500.
- 26. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) PVA1 and PVA3 have a degree of polymerisation DP > 3000; and
 - b) PVA2 has a degree of polymerisation DP in the range of 70-300.
- 27. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) PVA1 and PVA3 have a degree of polymerisation DP > 5000; and

- b) PVA2 has a degree of polymerisation DP in the range of 75-200.
- 28. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) the fraction of PVA2 relative to PVA in wt.% is in the range of 1-95;
 - b) the fraction of PVA3 relative to PVA in wt.% is in the range of 1-80; and
 - c) the fraction of PVA relative to PVA and swelling agent in wt.% is in the range of 5-90.
- 29. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) the fraction of PVA2 relative to PVA in wt.% is in the range of 2-90;
 - b) the fraction of PVA3 relative to PVA in wt.% is in the range of 2-60; and
 - c) the fraction of PVA relative to PVA and swelling agent in wt.% is in the range of 7-95.
- 30. (new) The polyvinyl alcohol gel according to claim 12, wherein
 - a) the fraction of PVA2 relative to PVA in wt.% is in the range of 3-85;
 - b) the fraction of PVA3 relative to PVA in wt.% is in the range of 3-50; and
 - c) the fraction of PVA relative to PVA and swelling agent in wt.% is in the range of 10-80.

- 31. (new) The polyvinyl alcohol gel according to claim 12, wherein the gel has
 - a) a modulus of elasticity E in MPa is >0.1; and optionally the stress-strain curve has a negative curvature over an interval within the range of 0-300%; and/or
 - b) a strength sm in MPa is >1, and optionally a breaking elongation eb in % is >300.
- 32. (new) The polyvinyl alcohol gel according to claim 12, wherein the gel has
 - a) a modulus of elasticity E in MPa is >1; and optionally the stress-strain curve has a negative curvature over an interval within the range of 0-300%; and/or
 - b) a strength sm in MPa is >3, and optionally a breaking elongation eb in % is >400.
- 33. (new) The polyvinyl alcohol gel according to claim 12, wherein the gel has
 - a) a modulus of elasticity E in MPa is >5; and optionally the stress-strain curve has a negative curvature over an interval within the range of 0-300%; and/or
 - b) a strength sm in MPa is >5, and optionally a breaking elongation eb in % is >500.
- 34. (new) The polyvinyl alcohol gel according to claim 12, wherein the gel has
 - a) a modulus of elasticity E in MPa is >10; and

- optionally the stress-strain curve has a negative curvature over an interval within the range of 0-300%; and/or
- b) a strength sm in MPa is >10, and optionally a breaking elongation eb in % is >550.
- 35. (new) The polyvinyl alcohol gel according to claim 12, wherein the gel has
 - a) a modulus of elasticity E in MPa is >15; and optionally the stress-strain curve has a negative curvature over an interval within the range of 0-300%; and/or
 - b) a strength sm in MPa is >15, and optionally a breaking elongation eb in % is >550.
- 36. (new) The polyvinyl alcohol gel, according to claim 12, wherein the gel has a degree of swelling Q in water in the range of 1.01-3.
- 37. (new) The polyvinyl alcohol gel, according to claim 12, wherein the gel has a degree of swelling Q in water in the range of 1.03-2.
- 38. (new) The polyvinyl alcohol gel, according to claim 12, wherein the gel has a degree of swelling Q in water in the range of 1.05-1.5.
- 39. (new) The polyvinyl alcohol gel according to claim 12, wherein the gel is transparent and free of organic solvents.

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- 40. (new) A process according to claim 18, including preparing the gel into a biomedicine.
- 41. (new) A process according to claim 18, including preparing the gel into an agriculture product.